

Atty. Dkt. No. 046948-0113 (fka 071402-0115)

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A motor system for a tank of a batch freezing machine or smaller machine for mixing and chilling ice cream, the motor system comprising a variable speed motor having a speed control, the speed control allowing the motor speed to be chosen across a spectrum of more than two speeds.
2. (Original) The system of Claim 1 wherein the variable speed motor has a reverse speed.
3. (Original) The system of Claim 2 wherein the spectrum is a continuous spectrum.
4. (Original) An ice cream machine, the ice cream comprising a cooling chamber including an auger, the auger being operable in a forward motion and a reverse motion.
5. (Original) The machine of Claim 4, further comprising a gate at an output of the cooling chamber, the gate metering the flow of ice cream from the cooling chamber.
6. (Original) The ice cream machine of Claim 5, further comprising:
an aperture at the output of the cooling chamber, the aperture for receiving semi-solid and solid inclusions.
7. (Original) The ice cream machine of Claim 6 wherein the solid or semi-solid inclusions are mixed into ice cream within the cooling chamber by operating the auger in the reverse motion and introducing the inclusions through the aperture.

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8. (Original) The machine of Claim 4 wherein the auger motor is driven by a motor, the motor being a variable speed motor, the motor capable of operating at more than two speeds.
9. (Original) The ice cream machine of Claim 5 wherein the gate is provided on a door that covers an end of the cooling chamber.
10. (Original) The ice cream machine of Claim 9 wherein the door includes an aperture for introducing solid and semi-solid inclusions.
11. (Original) The ice cream machine of Claim 10 wherein a temperature sensor is provided through the door or a rear of the cooling chamber.
12. (Original) The ice cream machine of Claim 10 wherein the door is manufactured from plastic.
13. (Original) The ice cream machine of Claim 11 wherein the door is a food grade plastic.
14. (Original) A system for dispensing ice cream from a machine for making ice cream having a tank for mixing and freezing the ice cream, the system comprising:
 - means for mixing ice cream in the tank; and
 - means for controlling the means for mixing; wherein mixing is controlled at more than two forward speeds or in a forward and reverse motion.
15. (Original) The system of Claim 17 wherein the means for mixing includes an auger and a variable speed motor.
16. (Original) The system of Claim 18 wherein the means for controlling includes a keypad.

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17. (Original) The system of Claim 18 further comprising a door having an aperture.

18-20. (Cancelled).

21. (New) An improved ice cream machine including a tank for mixing and freezing the ice cream, the improvement comprising:

at least one motor for mixing the ice cream in the tank and for mixing semi-solid inclusions at a second speed.

22. (New) The improved machine of Claim 21 wherein the first speed is a forward speed and the second speed is a reverse speed.

23. (New) The improved machine of Claim 22 wherein the solid and semi-solid inclusions enter the tank through an aperture near an output of the tank.